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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/072,383	02/08/2002	Charles J. Kulas	CJK-5	4883
36707	7590	02/26/2004	EXAMINER	
CHARLES J. KULAS 651 ORIZABA AVE. SAN FRANCISCO, CA 94132			PATEL, NITIN	
			ART UNIT	PAPER NUMBER
			2673	

DATE MAILED: 02/26/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/072,383	KULAS, CHARLES J.	
	Examiner	Art Unit	
	Nitin Patel	2673	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>2</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kohda (U.S. Patent No. 6,020,890).

As per claim 1, Kodha shows sensors (element 7I and 7R) for determining the positions of multiple display screens (in col.4 lines 25-32 and lines 40-50); generating display information for the for the display screens by using the determined positions so that different portions if a single scene are displayed upon multiple display screens at the same time to provide a coherent view of the scene from at least one viewpoint (In Fig.11 and 24 and In col.8 lines 40-58 and In col. 14 lines 1-12).

Kodha does not specifically shows determining the positions of multiple screens. It would have been obvious to one of ordinary skill in that art at the time of the invention was made to have sensors as taught by Kodha's could have worked as a positional sensors since sensors are adjusting the contents of the screens (In col.4 lines 45-50).

As per claim 2, Kodha shows using the first digital processor (element 1 in fig.1 as a storing the graphics model for the display to be displayed) to receive signals from the user input device to obtain information to at least in part describe the position of a display screen (In col.4 lines 51-57).

As per claim 3, Kodha shows the user input device includes a position sensor (In Col.5 lines 31-42).

As per claim 4, Kodha shows accepting signals from the user input device to allow a human user to specify a display screen position information (In col.5 lines 44-67).

As per claims 5,8 Kodha shows plurality of sensors to determines the position of the display screens as taught in above claim 1. Kodha does not show rendering view for a multiple display screens. It would have been obvious to one of ordinary skill in the art, at the time of the invention was made that model storage 1 taught by Kodha's could have act like a processor which stores a program for three dimensional graphics could have done a rendering of a scene to convert from two dimensional to three dimensional.

As per claim 6,7 Kodha shows display screen accepting input from a human user and automatically sensing the position of a display screen (in col.4 lines 53-57 and unit 8 In fig.1 automatically updates the contents in col.4 lines 58-65).

As per claim 9, Kodha shows bracket for joining two or more screens (in Fig.3A, 3B) having a first slot for receiving a first display screens and a second slot coupled to the first slot for receiving a second display screen (In Col.6 lines 22-37).

As per claims 10,11 Kodha shows the slots brackets are movable and fixed (in Fig.3A and 3B).

As per claims 12,13 Kodha shows an angle measuring mechanism for measuring the angle and a pointer for visually indicating the relative angle of the slot (in col.4 lines 25-32).

As per claims 14-17 Kodha shows automatically updates the screens with three slots as shown in (Fig.3a and b slots having two bar and connection point) and partially transparent (in Fig.23).

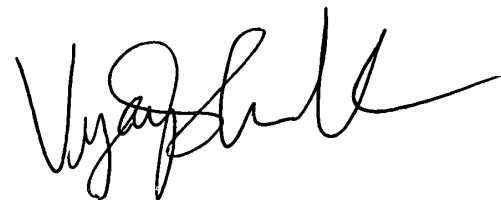
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 703-308-7024. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H Shalwala can be reached on 703-305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP
February 22, 2004



**VIJAY SHANKAR
PRIMARY EXAMINER**